

880 Hydrostatic Drive Windrower



JOHN DEERE

TECHNICAL MANUAL 880 Hydrostatic Drive Windrower

TM 1013 (01 NOV70) English



John Deere Ottumwa Works
TM1013 (01 NOV70)

LITHO IN U.S.A.
ENGLISH

880 HYDROSTATIC DRIVE WINDROWER

TECHNICAL MANUAL

TM-1013 (NOV-70)

CONTENTS

Section 10 - GENERAL

- Group 5 - Specifications
- Group 10 - Tune-Up and Adjustment
- Group 15 - Lubrication
- Group 20 - Operator's Cab

Section 20 - ENGINE

- Group 5 - General Information

Section 30 - ELECTRICAL SYSTEM

- Group 5 - Description
- Group 10 - Wiring Diagrams

Section 40 - POWER TRAIN

- Group 5 - Main Drive Case and Drive Shaft
- Group 10 - Final Drive
- Group 15 - Platform Drive

Section 50 - STEERING AND BRAKES

- Group 5 - Steering
- Group 10 - Brakes

Section 60 - HYDRAULIC SYSTEM

- Group 5 - Components and Tests
- Group 10 - Reservoir and Filter
- Group 15 - Control Valves
- Group 20 - Hydraulic Cylinders
- Group 25 - Hydrostatic Transmission

Section 70 - AIR CONDITIONING

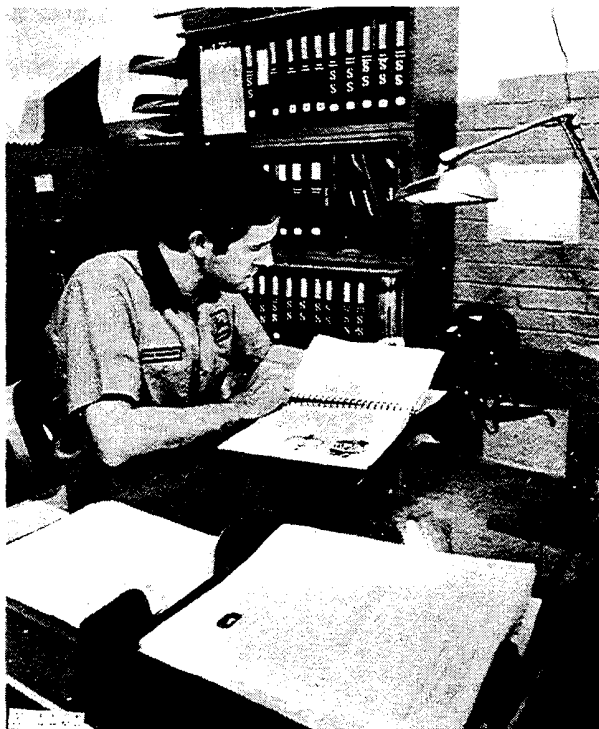
- Group 5 - General Information
- Group 10 - Diagnosis and Testing
- Group 15 - Evacuation and Charging
- Group 20 - Compressor
- Group 25 - Condenser, Receiver-Dryer, and Evaporator
- Group 30 - Regulatory Controls
- Group 35 - Air Intake System

Copyright 1968
DEERE & COMPANY
Moline, Illinois
All rights reserved

"All information, illustrations and specifications contained in this technical manual are based on the latest information available at the time of publication. The right is reserved to make changes at any time without notice. "

Litho in U.S.A.

INTRODUCTION



Use FOS Manuals for Reference



Use Technical Manuals for Actual Service

This technical manual is part of a twin concept of service:

- FOS Manuals-for reference

Technical Manuals-for actual service.

The two kinds of manuals work as a team to give you both the general background and technical details of shop service.

Fundamentals of Service (FOS) *Manuals* cover basic theory of operation, fundamentals of trouble shooting, general maintenance, and basic types of failures and their causes. FOS Manuals are for training new men and for reference by experienced men.

Technical Manuals are concise service guides for a specific machine. Technical Manuals are on-the-job guides containing only the vital information needed by a journeyman mechanic.



When a serviceman should refer to a FOS Manual for more information, a FOS symbol like the one at the left is used in the TM to identify the reference.

Some features of this technical manual:

Table of contents at front of whole manual

Contents at *front* of each Section

* Specifications at *end* of each Group

- Special tools at end of each Group

This safety alert symbol identifies important safety messages in this manual. When you see this symbol, be alert to the possibility of personal injury and carefully read the message that follows.

This technical manual was planned and written for you-a journeyman mechanic. Keep it in a permanent binder in the shop where it is handy. Refer to it whenever in doubt about correct service procedures or specifications.

Using the technical manual as a guide will reduce error and costly delay. It will also assure you the best in finished service work.

Section 10

GENERAL

CONTENTS OF THIS SECTION

| | Page | | Page |
|-----------------------------------|------|---------------------------|------|
| GROUP 5 - SPECIFICATIONS | | GROUP 15 - LUBRICATION | |
| Windrower Dimensions | 5-1 | General Information | 15-1 |
| Traction Unit | 5-2 | Lubrication Chart | 15-1 |
| Platforms | 5-2 | Lubricants | 15-1 |
| Hay Conditioner | 5-2 | | |
| Engine..... | 5-3 | GROUP 20 - CAB REMOVAL | |
| | | Removal | 20-1 |
| GROUP 10 - TUNE-UP AND ADJUSTMENT | | Specifications | 20-2 |
| General Information | 10-1 | | |
| Torque Chart..... | 10-1 | | |

Group 5

SPECIFICATIONS

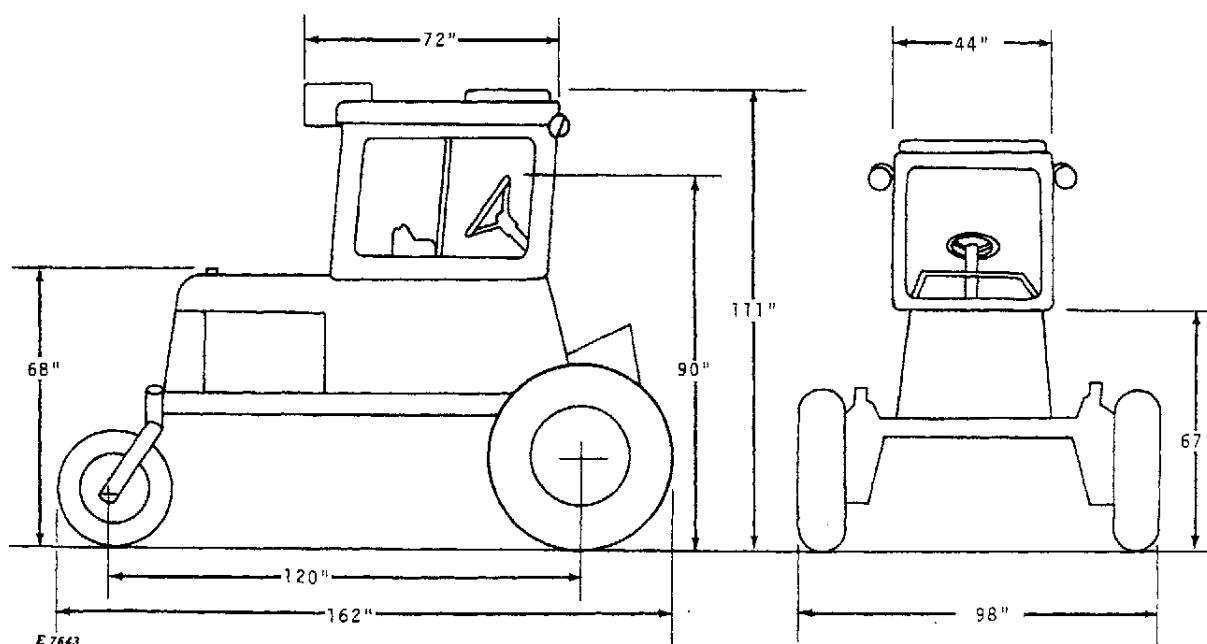


Fig. 1-Windrower Dimensions

| WINDROWER DIMENSIONS (Traction Unit with 11.2-24 Tires) | |
|---|---------|
| Height to top of radiator cap | 68 in. |
| Height to top of steering wheel | 90 in. |
| Height to top of cab | 111 in. |
| Wheelbase | 120 in. |

| | |
|----------------------|---------|
| Overall length | 162 in. |
| Overall width | 98 in. |
| Width of cab | 44 in. |
| Length of cab | 72 in. |

Section 20

ENGINE

Group 5

GENERAL INFORMATION

For engine information, refer to SM-2080 - John Deere 135, 180, and 202 Power Units - and the windrower operator's manual.

FOS

a

No effort has been made to explain theory of engine operation. If you wish to review basic principles of engines, we recommend the John Deere FOS Manual - ENGINES for this service.



Thank you very much
for your reading.
Please click here
to get more information.